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(71) Applicant (for all designated States except US): **DOW
GLOBAL TECHNOLOGIES INC.** [US/US]; Washing-
ton Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HEFNER, Robert, E.,
Jr.** [US/US]; 109 Wedgewood, Lake Jackson, TX 77566
(US).

(74) Agent: **DELINE, Douglas, N.**; The Dow Chemical Com-
pany, Intellectual Property, P.O. Box 1967, Midland, MI
48641-1967 (US).

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(54) Title: **MULTIFUNCTIONAL ETHYNYL SUBSTITUTED MONOMERS AND POLYARYLENE COMPOSITIONS
THEREFROM**

(57) Abstract: A compound (monomer) comprising i) one or more arylethynyl groups (A-functional groups), ii) one or more ring
structures comprising two conjugated carbon-to-carbon double bonds and a leaving group L (B-functional groups), and iii) one or
more ethynyl groups (C'-functional groups), characterized in that said A- and C'-functional groups are capable of reaction under
cycloaddition reaction conditions with said B-functional groups to thereby form a cross-linked, polyphenylene polymer.

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